

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/004403

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J23/10 B01J23/63 B01J37/02 B01D53/94

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 524 643 A (CORNING INCORPORATED) 27 January 1993 (1993-01-27) page 5, line 1 - line 4 examples 1,2,8,10,11	1-7
X	FR 2 836 067 A (RHODIA CHIMIE) 22 August 2003 (2003-08-22) example 2 page 11, line 25 page 12, line 15	6,7
X	EP 1 175 935 A (KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO) 30 January 2002 (2002-01-30) paragraphs '0061!', '0063!', '0093!', '0110!', '0116!', '0131! examples 17,19	1,4-6
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

14 June 2005

Date of mailing of the international search report

28/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Besselmann, S

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/004403

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 430 744 A (RHONE-POULENC CHIMIE) 5 June 1991 (1991-06-05) page 2, line 45 - page 3, line 56 claim 5; examples	1,5,6
X	US 5 439 865 A (ABE ET AL) 8 August 1995 (1995-08-08) column 11, line 59 - column 12, line 51	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/004403

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0524643	A	27-01-1993	US 5334570 A	02-08-1994
			AU 649855 B2	02-06-1994
			AU 2049592 A	28-01-1993
			CA 2074634 A1	26-01-1993
			DE 69210127 D1	30-05-1996
			DE 69210127 T2	14-11-1996
			EP 0524643 A1	27-01-1993
			JP 5184937 A	27-07-1993
FR 2836067	A	22-08-2003	FR 2836067 A1	22-08-2003
			AU 2003222373 A1	04-09-2003
			EP 1480910 A2	01-12-2004
			WO 03068678 A2	21-08-2003
EP 1175935	A	30-01-2002	JP 2002331238 A	19-11-2002
			EP 1175935 A2	30-01-2002
			US 2002049137 A1	25-04-2002
EP 0430744	A	05-06-1991	FR 2654953 A1	31-05-1991
			AT 138591 T	15-06-1996
			BR 9005980 A	24-09-1991
			CA 2030682 A1	28-05-1991
			DE 69027184 D1	04-07-1996
			DE 69027184 T2	28-11-1996
			DK 430744 T3	17-06-1996
			EP 0430744 A1	05-06-1991
			ES 2090113 T3	16-10-1996
			FI 905824 A	28-05-1991
			GR 3020638 T3	31-10-1996
			IE 904093 A1	05-06-1991
			JP 2651998 B2	10-09-1997
			JP 7047288 A	21-02-1995
			JP 2552201 B2	06-11-1996
			JP 3181335 A	07-08-1991
			KR 9705545 B1	17-04-1997
			MX 171972 B	24-11-1993
			NO 905099 A	28-05-1991
			PT 95999 A , B	13-09-1991
			RU 2027505 C1	27-01-1995
			US 5352646 A	04-10-1994
			US 5232889 A	03-08-1993
US 5439865	A	08-08-1995	JP 3285614 B2	27-05-2002
			JP 6047279 A	22-02-1994
			DE 4316508 A1	03-02-1994